



encapsulation data structure

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**Encapsulation and Inheritance in Object-Oriented Programming Languages - group of 8 »**

A Snyder - OOPSLA, 1986 - portal.acm.org

... implementation details such as the **data structure** used to ... object-oriented languages support **data** abstraction by ... **Encapsulation** has many advantages in terms of ...

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**Automatic Data Structure Selection and Transformation for Sparse Matrix Computations - group of 4 »**

AJC Bik, HAG Wijshoff - IEEE Transactions on Parallel and Distributed Systems, 1996 - ieeexplore.ieee.org

... 2, FEBRUARY 1996 109 1045-9219196\$05.OO 01996 IEEE Automatic **Data Structure** Selection and Transformation for Sparse Matrix Computations Aart JC Bik and Harry ...

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**Structure and Encapsulation in Distributed Systems: The Proxy Principle - group of 2 »**

M Shapiro - ICDCS, 1986 - inria.fr

... a process; within it, structuring and **encapsulation** may be ... to allowing parallel processing, gives **structure** to a ... and ambiguous; the semantics of the **data** in a ...

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**Object-Oriented Design: A Responsibility-Driven Approach - group of 2 »**

R Wirfs-Brock, B Wilkerson - OOPSLA, 1989 - portal.acm.org

... Even though the goal of **data-driven** design is to encapsulate **data** and algorithms, it inherently violates that **encapsulation** by making the **structure** of an ...

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**Abstract data types and the development of data structures - group of 2 »**

J Guttag - Communications of the ACM, 1977 - portal.acm.org

... Abstract **data** types and the development of **data** structures. ... 8 John Vogel Guttag, The specification and application to programming of abstract **data** types., 1975. ...

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**Reusability Through Self-Encapsulation. - group of 2 »**

K Auer - Pattern Languages of Program Design, 1994 - rolemodelsoftware.com

... I call this technique self-**encapsulation**. ... Even less important in an object-oriented system is the **data structure** of an object (that is, the number of slots ...

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**Tool support for planning the restructuring of data abstractions in large systems - group of 6 »**

WG Griswold, MI Chen, RW Bowdidge, JL Cabaniss, VB ... - IEEE Transactions on Software Engineering, 1998 - portal.acm.org

... It is notable, however, that comprehensive plans for the **encapsulation** of a widely used **data structure** in a 28,000 line program could be developed in this time ...

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**The GenVoca Model of Software-System Generators - group of 5 »**

D Batory, V Singhal, J Thomas, S Dasari, B Geraci, ... - IEEE Software, 1994 - doi.ieeecs.org

... What distinguishes P++ is that it extends familiar concepts like abstraction, **encapsulation**, and parameterization of a popular ... **Data-structure** domain. ...

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**Comparison of Abstract Data Type and Abstract State Encapsulation Detection Techniques for ... - group of 4 »**

JF Girard, R Koschke, G Schied - WCRE, 1997 - ieeexplore.ieee.org

... An abstract state **encapsulation** (ASE) is a group of ... An abstract **data** type (ADT) is an abstraction of a **data structure** and all the type's valid operations on ...

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**Programming Language Concepts - group of 3 »**

C Ghezzi, M Jazayeri - Language - infosys.tuwien.ac.at

... type systems 146 3.5 The type **structure** of representative ... 5.3.5 ML 270 5.3.5.1

**Encapsulation** 270 5.3 ... and implementation 272 5.3.6 Abstract **data** types, classes ...

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**Recursive\*-tree parallel data-structure - group of 5 »**

O Berkman, U Vishkin - Foundations of Computer Science, 1989., 30th Annual ... - [ieeexplore.ieee.org](#)  
 ... **recursive \*-trees**. The **recursive \*-tree data structure** leads to a new design  
 paradigm for parallel algorithms. The paradigm allows ...  
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**[book] Fundamentals of Data Structure in C**

E Horowitz, S Sahni, S Anderson-Freed - 1993 - [pu.edu.tw](#)  
 ... Page 8. Page 8 \***Structure 1.1:Abstract data type Natural\_Number** (p.17) Page 9. ... **recursive**  
 stack space, formal parameters, local variables, return address ...  
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**Parallelizing programs with recursive data structures - group of 9 »**

LJ Hendren, A Nicolau - 1990 - [doi.ieeecomputersociety.org](#)  
 ... store. Each call to a **recursive** function that creates a linked **data structure**  
 is approximated by one entry in the abstract store. As ...  
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**Alias Types for Recursive Data Structures - group of 16 »**

D Walker, G Morrisett - Types in Compilation, 2000 - Springer  
 ... Parameterized **Recursive** Types. One common **data structure** we are unable to encode  
 with the types described so far is the doubly-linked list. ...  
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**Recursive data structures**

CAR Hoare - International Journal of Parallel Programming, 1975 - Springer  
 ... It is true that a **recursive data structure** which is held in a conventionally addressed  
 main store will usually be represented by means of machine addresses ...  
 Cited by 73 - [Web Search](#) - [Library Search](#)

**A Flexible Approach to Interprocedural Data Flow Analysis and Programs with Recursive Data ... - group of 3 »**

ND Jones, SS Muchnick - POPL, 1982 - [portal.acm.org](#)  
 ... particular pro- gram) as a program with a **recursive data structure**, namely  
 the stack of procedure activation records. The great ...  
 Cited by 116 - [Web Search](#)

**Quad trees a data structure for retrieval on composite keys**

RA Finkel, JL Bentley - Acta Informatica, 1974 - Springer  
 ... in the **data structure**, and what is the address of the node representing it ?" The ...  
 The algorithm itself is **recursive** and is initially invoked by the statement ...  
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**Compiler-Based Prefetching for Recursive Data Structures - group of 12 »**

CK Luk, TC Mowry - ACM SIGOPS Operating Systems Review, 1996 - [portal.acm.org](#)  
 ... **Recursive Data Structures (RDSs)** include familiar objects such as linked lists,  
 trees ... nodes are linked together through pointers to form the overall **structure**. ...  
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**[book] Data Structure Techniques**

TA Standish - 1980 - Addison-Wesley Longman Publishing Co., Inc., Boston, MA  
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**[PS] Recursive Blocked Data Formats and BLAS's for Dense Linear Algebra Algorithms - group of 6 »**

FG Gustavson, A Henriksson, I Jonsson, B ... - PARA, 1998 - [cs.umu.se](#)  
 ... show here even better performance can be obtained when **recursive** dense linear algebra  
 algorithms are expressed using a **recursive data structure** and **recursive** ...  
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